#### (19) World Intellectual Property Organization

International Bureau



## - 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1 1888 | 1

#### (43) International Publication Date 18 August 2005 (18.08.2005)

#### **PCT**

# (10) International Publication Number WO 2005/075808 A1

- (51) International Patent Classification<sup>7</sup>: F02M 35/06, 35/08, F01P 11/12, F04D 17/08, B01D 35/22
- (21) International Application Number:

PCT/AU2005/000136

- (22) International Filing Date: 2 February 2005 (02.02.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2004 900 510

4 February 2004 (04.02.2004) AU 16 August 2004 (16.08.2004) AU

(71) Applicants and

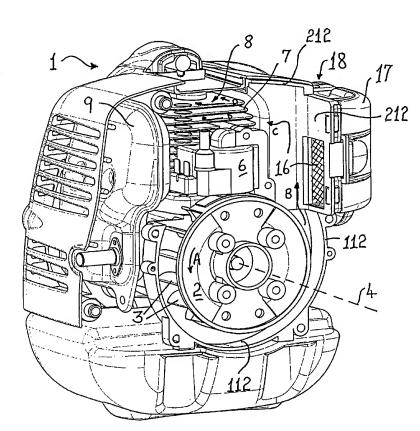
2004 904 647

(72) Inventors: NOTARAS, John, Arthur [AU/AU]; 9 Fred Street, Lilyfield, NSW 2040 (AU). NOTARAS, Angelo, Lambrinos [AU/AU]; 9 Fred Street, Lilyfield, NSW 2040 (AU)

- (74) Agent: FRASER OLD & SOHN; Patent Attorneys, Level 6, 118 Alfred Street, Milsons Point, NSW 2061 (AU).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: AIR FILTER ARRANGEMENT



(57) Abstract: A self cleaning filter for a small internal combustion engine (1) is disclosed. The filter (16, 36, 46) is generally rectangular and is located closely adjacent the air exit region of the engine's fan (2). The longitudinal axis of the filter is generally aligned with the direction of air flow. The filter can be flat (16), curved (36) or inclined towards the air flow (46). The arrangement permits a more compact configuration for the engine (1).

### WO 2005/075808 A1

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

#### Published:

with international search report